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**Speaker Apparatus**

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**BACKGROUND OF THE INVENTION**

**1. Field of the Invention**

The present invention relates to a speaker apparatus used for a television receiver (TV), and more particularly to a speaker apparatus that comprises a microphone for detecting a reproduced sound from a speaker unit and corrects the reproduced sound based on the detected signal.

**2. Description of the Related Art**

It is known that a speaker apparatus having the following structure contributes to the improvement of acoustic characteristics. A horn or an acoustic pipe whose opening is rectangular is mounted in front of a speaker unit, and a sound wave generated in the speaker unit is guided to the opening of the acoustic pipe. A microphone is mounted in this acoustic pipe and is connected to an amplifier for inputting an input signal into the speaker unit through a feedback circuit.

The prior art discussed above is shown in Fig.8 and Fig.9. Fig.8 is a horizontal sectional view of a conventional acoustic pipe type speaker apparatus with a sound feedback system, and Fig.9 shows acoustic output characteristics thereof.

In Fig.8, a speaker unit 1 produces sound wave and is connected with an acoustic pipe 2. Sound absorbing material 3 is disposed for damping resonance on both sides of the acoustic pipe 2. In the acoustic pipe 2, a microphone 4 for detecting an acoustic output signal is placed near the speaker unit 1. When a signal is fed into the speaker unit 1, the speaker unit 1 radiates an acoustic output, and the acoustic output is lead

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